

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
28 April 2005 (28.04.2005)

PCT

(10) International Publication Number
WO 2005/038352 A1

(51) International Patent Classification⁷:

F24C 15/08

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/KR2004/002622

(22) International Filing Date: 14 October 2004 (14.10.2004)

(25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data:

10-2003-0072130 16 October 2003 (16.10.2003) KR

(71) Applicant (for all designated States except US): **LG ELECTRONICS, INC. [KR/KR]**; 20 Yoido-dong, Yong-dungpo-gu, Seoul 150-875 (KR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **JEONG, Eui-Seog [KR/KR]**; 106-1004 Daedong Apt.30-2 Sammoon-ri, Jangwoo-myun, Kimhae-si, Kyungsangnam-do 621-831 (KR).

(74) Agent: **HAW, Yong-Noke**; 8th Fl. Songchon Bldg., 642-15, Yoksam-dong, Kangnam-gu, Seoul 135-080 (KR).

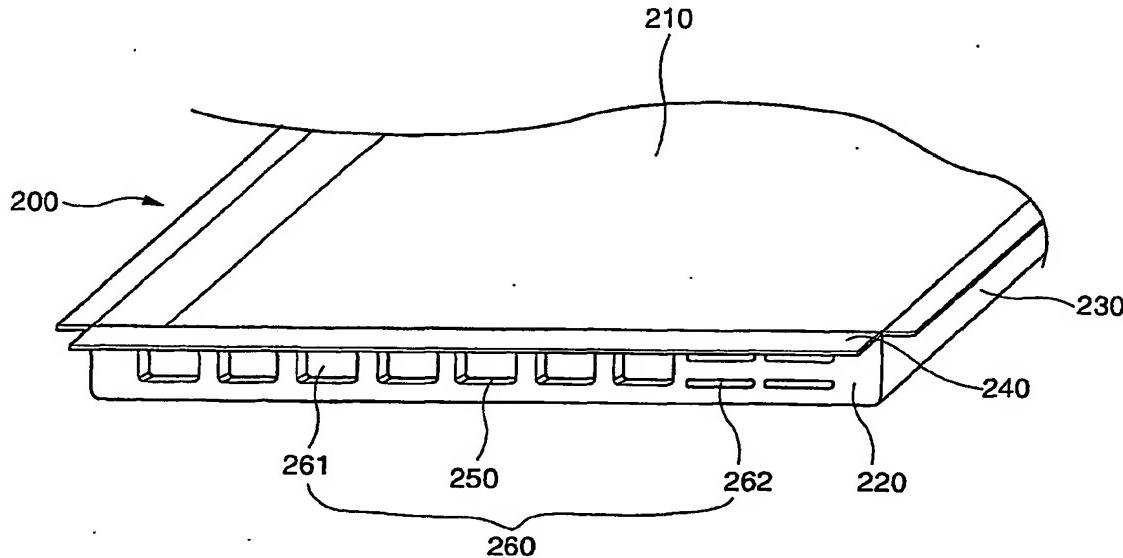
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A MICROWAVE OVEN AND A BASE COVER THEREOF



WO 2005/038352 A1

(57) Abstract: There is provided a base cover structure of a microwave oven, in which a reinforcement rib is formed at a periphery of an air intake hole of a stepped portion of a base cover in order to prevent the base cover from deformation. The air intake hole is also prevented from deformation, such that an outside air can be sucked at a constant rate, thereby cooling an electric component chamber without overheating.